

Please replace the paragraph beginning at page 4, line 21, with the following rewritten paragraph:

H2 Figure 1 illustrates the plasmid pHD389; the ribosomal binding sequence, the sequence for the signal peptide from **ompA** and recognition sequence for several restriction enzymes are shown (SEQ ID NO:14);

Please replace the paragraph beginning at page 4, line 24, with the following rewritten paragraph:

H3 Figure 2 illustrates the amino acid (SEQ ID NO:3) and nucleic acid sequence (SEQ ID NO:4) for protein LG.

Please replace the paragraph beginning at page 5, line 6, with the following rewritten paragraph:

H4 Figure 7 illustrates the amino acid (SEQ ID NO:6) and nucleic acid sequence (SEQ ID NO:5) for protein M1.

Please replace the paragraph beginning at page 12, line 5, with the following rewritten paragraph:

H5 It has been found that a protein L peptide (expressed in *E. coli*) constructed of the sequence ala-val-glu-asn (SEQ ID NO:15) domain B1 (from protein L) binds to the light chains of the immunoglobulins (W. Kastern, U. Sjöbring and L. Björck. 1992. Structure of peptostreptococcal protein L and identification of a repeated immunoglobulin light chain-binding domain. J. Biol. Chem. 267 (18):12820-5). Since this simple protein L-domain has a relatively low affinity to Ig, ($1 \times 10^7 \text{ M}^{-1}$), and since the naturally occurring protein L which is constructed of several mutually similar domains (B1-B5) has a high affinity to Ig ($1 \times 10^{10} \text{ M}^{-1}$) four of these domains have been expressed together in the following way:

Please replace the paragraph beginning at page 12, line 13, with the following rewritten paragraph:

PL-N and PL-C1 are synthetic oligonucleotides (manufactured by the Biomolecular Unit at Lund University (Sweden) in accordance with applicant's instructions) which have been used to amplify a clonable gene fragment which is amplified with PCR (Polymerase Chain Reaction) and which codes for four Ig-binding protein L domains (ala-val-glu-asn-B1-B2-B3-B4-lys-lys-val-asp-glu-lys-pro-glu-glu, SEQ ID NO:1). Amino acids in the protein L-sequence are given for the primer which corresponds to the coded strand (PL-N):

PL-N: 5' -GCTCAGGC~~GGCGCCGGT~~AGAAAATAAGAAGAACACCAGAAAC-3'
(SEQ ID NO:7)
valgluasnlys~~g~~lugluthrproglu
(SEQ ID NO:8)

He
5'-end of this oligonucleotide is homologous with the coded strand in the protein L-gene (emphasized): those codons which code for the last three amino acids in the A-domain (val-glu-asn) are followed by the codons for the first six amino acids in the first of the Ig-binding domains in protein L (B1).

PL-C1: 5' -CAGCAGCA GGATTC TTATTATTCTTCTGGTTTCGTCAACTT
CTT-3' (SEQ ID NO:9)

Please replace the paragraph beginning at page 18, line 13, with the following rewritten paragraph:

PL-N and PL-C2 are synthetic oligonucleotides (manufactured at the Biomolecular Unit at Lund University (Sweden) in accordance with applicant's instructions) which were used, with the aid of PCR (Polymerase Chain Reaction) to amplify a clonable gene fragment, called B1-4, which codes for four Ig-binding protein L domains (ala-val-glu-asn-B1-B2-B3-B4-lys-lys-val-asp-glu-lys-pro-glu-glu, SEQ ID NO:1):

PL-N: 5' -GCTCAGGC~~GGCGCCGGT~~AGAAAATAAGAAGAACACCAGAAAC-3'

H7
(SEQ ID NO: 7)

valgluasnlysgluglugluthrproglu

(SEQ ID NO: 8)

P1-C2: 5'-CAGCAGCAGCCATGGGTTCTTCTGGTTTCGTCAACTTCTTA-3',

(SEQ ID NO:10)

Please replace the paragraph beginning at page 19, line 10, with the following rewritten paragraph:

It is known that a simple C-domain from protein G will bind to IgG (B. Guss, M. Eliasson, A. Olsson, M. Uhlen, A.-K. Frej, H. Jörnvall, I. Flock and M. Lindberg. 1986. Structure of the IgG-binding regions of streptococcal protein G. EMBO. J. 5: 1567-1575). The strength at which a simple C-domain binds to IgG is relatively low ($5 \times 10^7 \text{ M}^{-1}$). A fragment which consists of two C-domains with an intermediate D-region having a length of 15 amino acids, however, has a considerably higher affinity to IgG ($1 \times 10^9 \text{ M}^{-1}$). CDC-N and CDC-C are oligonucleotides which have been used as PCR-primers to amplify a clonable DNA-fragment, designated CDC, which codes for two IgG-binding protein G-domains (pro-met-asp-CDC-met).

H8
CDC-N: GG CCATGG ACAC TTACAAATTAAATCCTTAATGGT (SEQ ID NO:11)
metaspthrtyrlsleuileleuasngly (SEQ ID NO:12)

CDC-C: C AGGTCTG ACTTATTACATTTCAGTTACCGTAAAGGTCTTAGT (SEQ ID NO:13)

In the Claims:

Please amend claims 14 and 15 to read as follows:

- Subj 7*
H9
14. (Thrice Amended) A protein having the ability to bind to the light chains of immunoglobulins, selected from the group consisting of:
(a) a protein consisting essentially of the amino acid sequence of SEQ ID NO:1;